

ABSTRACT OF THE DISCLOSURE

A permanent magnet motor has permanent-magnet-holding slots
5 formed in those parts of a rotor core 2A which correspond to sides of
an approximately regular polygon centered on an axis of the rotor core
2A, permanent magnets 4 inserted in the respective
permanent-magnet-holding slots, and four or more radially elongated
slits 6 arranged apart from each other along each of the
10 permanent-magnet-holding slots on an outer core outside the
permanent-magnet-holding slots, characterized in that at a radially outer
end, the slits are spaced approximately equally while at a radially inner
end, spacing between the slits is reduced with increasing distance from a
center of each permanent magnet, with the spacing at the center being
15 the largest.